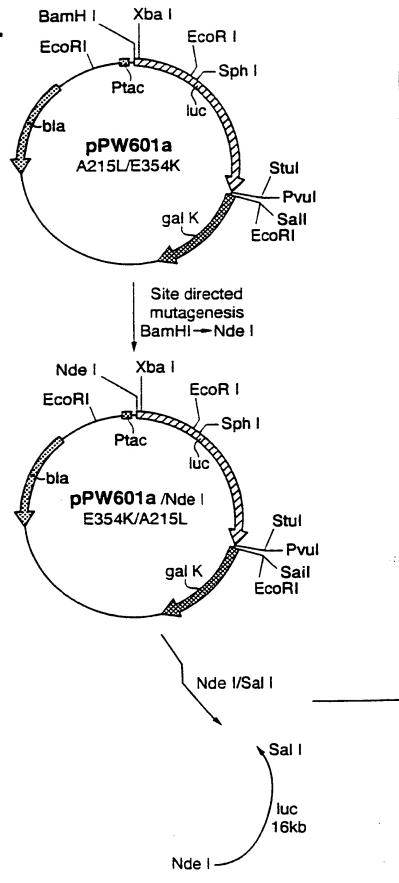
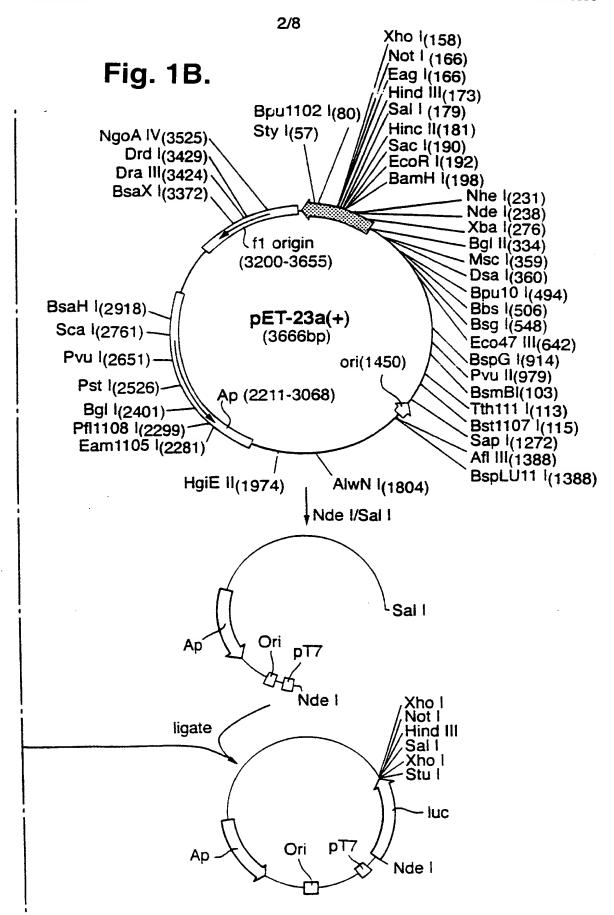
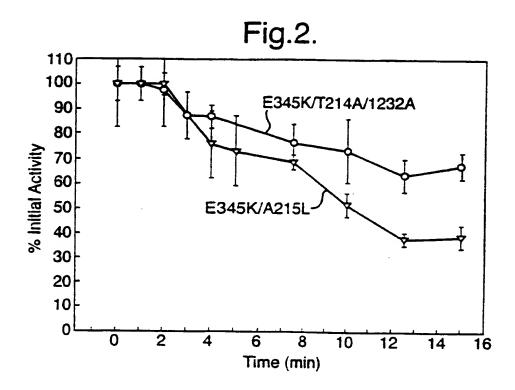
Fig. 1A.







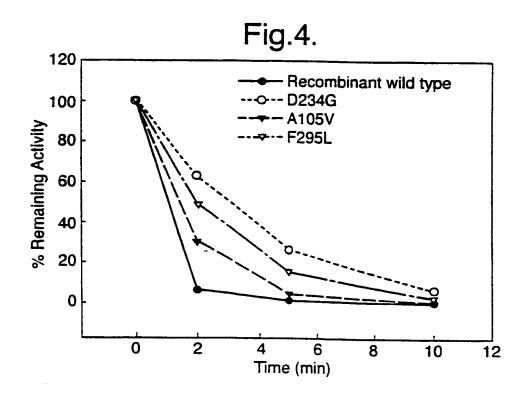


Fig. 3A.

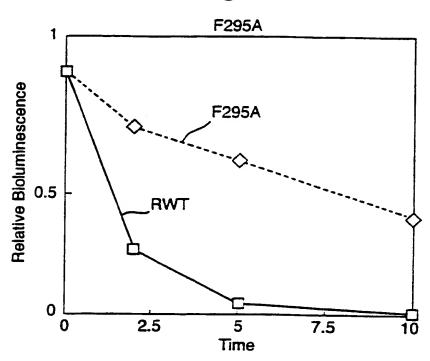


Fig. 3B.

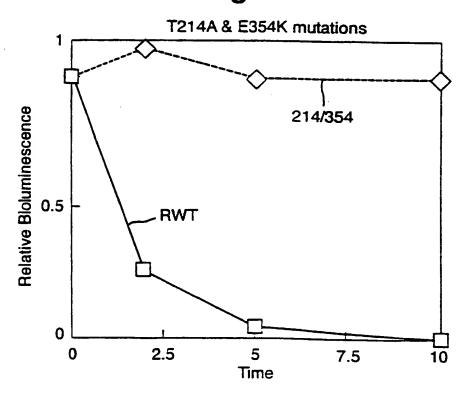


Fig. 3C.

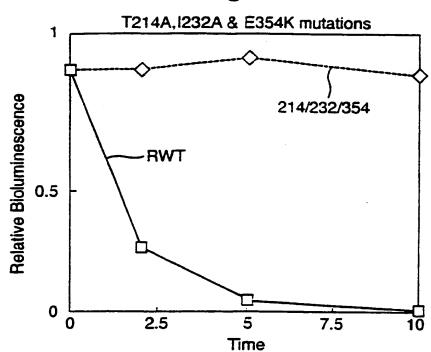


Fig. 3D.

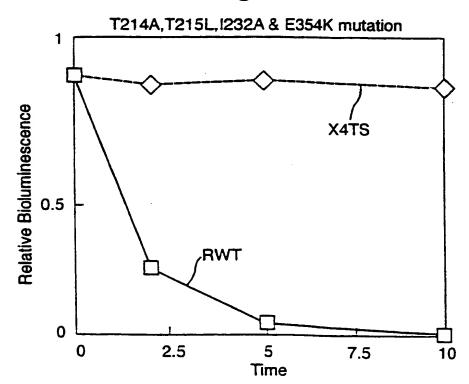


Fig. 3E.

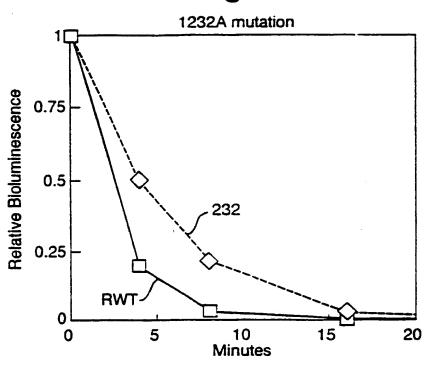


Fig. 3F.

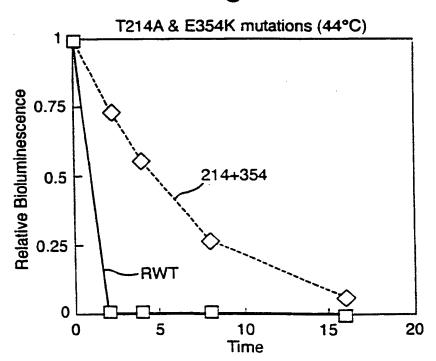


Fig. 3G.

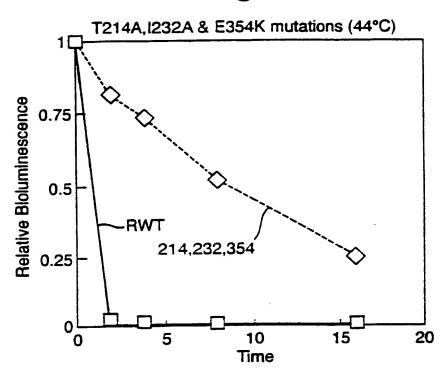
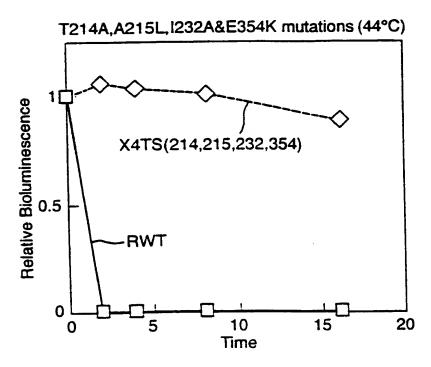


Fig. 3H.



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Fig. 5.

CGCCGCTGAGCTCCCCGCCGCCG

SACI-SENSE / 6371

CGGCGGGGGAGCTCACCGGCG

SACI-ANTI / 6372

CCTTTGTATTTAATTAAAGACTTAAGGCGGTCAACTATGAAGAAGTGTTCG AFLII-SENSE / 6373 AFLII-ANTI / 6374

GAAAGGCCCGGCACCAGCCTATCCTCTAGAGG

P14A-SENSE / 6375 F14A-ANTI / 8376

CCTCTAGCGGATAGGCTGGTGCCGGGCCTTTC CCATAAATTTACCGAATTCGTCGACTTCGATCGAGG

C-TERM.SEQ/6641

GTGTGGAATTGTGAGCGG

N-TERMLSEQ / 6661

GAGATACGCCGCGGTTCCTGG L35A-SENSE / 6652 CCAGGAACCGCGGCGTATCTC L35A-SENSE / 6653

CCCTATTTCATTCCTGGCCAAAAGCACTG GAGTGCTTTTGGCCAGGAATGAAAATAGGG CCGCATAGACTCTCTGCGTCAGATTC GAATCTGACGCAGAGAGeTCTATGCGG **GTTGACCGCTTGGGATCCTTAATTAAATAC**

F295L-SENSE/ 9048 F295L-ANTI / 9049 T214A + A215L-SENSE / 9063 T214A + A215L-ANTI / 9064 Insertion of BamHI at G339 / 9077

GTATAGATTTGAAAAAGAGCTG CAGCTCTTTTTCAAATCTATAC **GGCTACATACTGGAGACATAGC** GCTATGTCTCCAGTATGTAGCC E270K-SENSE / 257 E270K-ANTI / 258 S420T-SENSE / 629 S420T-ANTI / 630

GCAGTTGCGCCCGTGAACGAC A105L-SENSE / 790 GTCGTTCACGGGCGCAACTGC A105L-ANTI /791

CAAATCATTCCGGGTACTGCGATTTTAAG CTTAAAATCGCAGTACCCGGAATGATTTG D234G-SENSE / 792 D234G-ANTI / 793

CCGCATAGAACTCTCTGCGTCAGATTC A215L-SENSE / 7726 GAATCTGACGCAGAGAGTTCTATGCGC A215L-ANTI / 7727 CTGATTACACCCAAGGGGGATG CATCCCCTTGGGTGTAATCAG ccetteegeatagannngcetgegteagt actgacgcaggcNNNtctatgcggaaggg

E354K-SENSE / 7792 E354K-ANTI / 7793

> T214N-Sense / 8202 T214N-Anti / 82033

GCAATCAAATCGCTCCGGATACTGC GCAGTATCCGGAGCGATTTGATTGC

1232A-SENSE / 6911 I232A-ANTI / 6912

CCATTCCATCAAGGTTTTGG

H245Q-SENSE / 9128

CCAAAACCTTGATGGAATGG

H245Q-ANTI / 9129